

Muhammad Shahum Sultan

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EXPERIENCE

AI Engineer

Exarta Labs

Mar '23 — Present

Lahore, Pakistan

- Developed a session based recommendation system to be used on e-commerce platforms
- Using NeuralProphet for time series forecasting on sales data, basically predicting the future trends on sales
- Using OpenAI with PandasAI to produce meaningful analytics graphs just by talking with the data
- Developed a shopping assistant using Rasa to help the user for a seamless shopping experience
- Using Nvidia's Omniverse developed a chatbot for a 3D environment paired with unreal. Chatbot's aim was to provide a user with a 3D representation of what they require
- Gained management experience through managing the AI interns. Making basic questions and task for them to get a better understanding of how AI works

Web Developer

Cybervision International

Jan '20 — Aug '21

Islamabad, Pakistan

- Developed web applications using PHP technology
- Proficient in both backend and frontend development, possessing comprehensive skills in crafting robust, scalable backend solutions and elegant, user-centric frontend interfaces.
- Designed and implemented a comprehensive Learning Management System tailored to the needs of a government organization, optimizing user experience and administrative efficiency.
- Demonstrated leadership and management capabilities by mentoring and guiding interns, fostering their professional development and contributing to team success.
- Facilitated direct communication with a client to design and customize a Google Form in a language specific to their needs, ensuring clear and effective data collection processes.
- Execute product deployments with meticulous attention to detail, prioritizing thorough client needs assessment to guarantee alignment and satisfaction.

EDUCATION

M.Sc in Artificial Intelligence, University of Kent

Courses: Natural Computation, Cognitive Neural Networks, Data Mining, Programming for Artificial Intelligence, Networks and Network Security

Sep '21 — Sep '22

Canterbury, United Kingdom

B.Sc in Software Engineering, Bahria University

Courses: Web Development, Database and Management Systems, Artificial Intelligence, Mobile Development

2015 — Jul '20

Islamabad

SKILLS

Programming Languages Python, Java, C++, ReactJS, SQL, PHP 7, HTML, CSS, Bootstrap

AI and ML Frameworks OpenAI, Neural Prophet, Nvidia CUDA, OpenCV, PyTorch, TensorFlow, Keras, Scikit-Learn, Pandas, NumPy, Recommender Systems, Forecasting

Soft Skills Teamwork, Leadership Skills

PROJECTS

Easy Find, University of Kent [Link](#)

Jan '22 — Sep '22

Canterbury, United Kingdom

- Master's final year project focused on the development and implementation of an advanced object detection model. Utilized cutting-edge techniques to analyze and process images stored on personal computer systems, demonstrating proficiency in computer vision methodologies and project management.

Air Quality Index, University of Kent

Oct '21 — Jan

Canterbury, United Kingdom

- Engineered a comprehensive system leveraging Arduino and Android technologies to provide real-time air quality monitoring for asthma patients. Designed to prompt users regarding air quality conditions, the project underscores proficiency in hardware-software integration and user-centric healthcare solutions.

CERTIFICATIONS

Introduction to Artificial Intelligence

IBM

Sep '20